

California Weather-Hydro Conditions during January 2017

As of January 31, 2017, statewide hydrologic conditions were as follows: precipitation, 180 percent of average to date, snow water content, 185 percent of average to date (115% of the April 1 index average), runoff, 215 percent of average to date, and reservoir storage, 115 percent of average to date.

Sacramento River Region unimpaired runoff, for Water Year 2017, observed through January 31, 2017 was about 11.9 million acre-feet (MAF), which is about 218 percent of average. In comparison to Water Year 2016, the observed Sacramento River Region unimpaired runoff through January 31, 2016 was about 4.9 MAF, or about 91 percent of average. San Joaquin River Region unimpaired runoff, for Water Year 2017, observed through January 31, 2017 was about 3.8 MAF, which is about 342 percent of average. In comparison to Water Year 2016, the observed San Joaquin River Region unimpaired runoff through January 31, 2016 was about 0.9 MAF, or about 79 percent of average. Tulare Lake Region unimpaired runoff, for Water Year 2017, observed through January 31, 2017 was about 0.9 MAF, which is about 223 percent of average. In comparison to Water Year 2016, the observed Tulare Lake Region unimpaired runoff through January 31, 2016 was about 0.2 MAF, or about 55 percent of average.

On January 31, 2017, the Northern Sierra 8-Station Precipitation Index Water Year total was 53.2 inches, which is about 197 percent of the seasonal average to date and 106 percent of an average water year (50.0 inches). During January, the total precipitation for the 8-Stations was 23.6 inches, or about 262 percent of average for the month. Last year on January 31, 2016, the Water Year 2016 seasonal total for the 8-Stations was 32.7 inches, or about 121 percent of average.

On January 31, 2017, the San Joaquin 5-Station Precipitation Index Water Year total was 42.9 inches, which is about 206 percent of the seasonal average to date and 105 percent of an average water year (40.8 inches). During January, the total precipitation for the 5-Stations was 25.2 inches, or about 336 percent of average for the month. Last year on January 31, 2016, the Water Year 2016 seasonal total for the 5-Stations was 24.8 inches, or about 119 percent of average.

On January 31, 2017, the Tulare Basin 6-Station Precipitation Index Water Year total was 30.2 inches, which is about 208 percent of the seasonal average to date and 103 percent of an average water year (29.3 inches). During January, the total precipitation for the 6-Stations was 19.3 inches, or about 350 percent of average for the month. Last year on January 31, 2016, the Water Year 2016 seasonal total for the 6-Stations was 16.2 inches, or about 112 percent of average.

Daily Precipitation (in inches) for Selected Stations as of 01/31/2017					
Station	Water Year 2017 to Jan 31, 2017	% Average	Water Year 2016 to Jan 31, 2016	% Average	WY 2017 % of Avg Water Year (Oct 1 – Sep 30)
Mount Shasta	33.14	149	21.73	98	76
Eureka	30.15	135	30.83	138	75
Redding	29.02	156	22.36	120	84
South Lake Tahoe	27.01	255	12.95	122	133
Sacramento Executive Airport	19.34	197	8.87	91	104
Santa Rosa (Sonoma Co AP)	35.18	171	17.89	87	97
San Francisco	18.15	138	13.55	103	77
Stockton	12.34	167	9.45	128	88
Yosemite	45.06	237	22.17	117	119
Monterey	14.05	170	13.41	162	87
Paso Robles	8.85	140	4.75	75	69
Fresno	10.06	180	8.63	155	87
Bakersfield	5.77	187	2.35	76	89
Death Valley	0.46	50	1.09	118	19
Los Angeles	13.20	188	3.41	48	88
Riverside	9.42	166	3.62	64	76
Palm Springs	5.31	188	2.29	81	93
San Diego	7.87	157	5.88	117	76

Key Reservoir Storage (1,000 AF) as of 01/31/2017								
Reservoir	River	Storage	Avg Storage	% Average	Capacity	% Capacity	Flood Control Encroachment	Total Space Available
Trinity Lake	Trinity	1,461	1,730	84	2,448	60	---	987
Shasta Lake	Sacramento	3,546	3,072	115	4,552	78	115	1,006
Lake Oroville	Feather	2,842	2,317	123	3,538	80	54	696
New Bullards Bar Res	Yuba	789	584	135	966	82	-7	177
Folsom Lake	American	408	508	80	977	42	-169	569
New Melones Res	Stanislaus	1,013	1,423	71	2,400	42	-957	1,407
Don Pedro Res	Tuolumne	1,795	1,391	129	2,030	88	105	235
Lake McClure	Merced	746	489	152	1,025	73	71	279
Millerton Lake	San Joaquin	343	333	103	520	66	-92	177
Pine Flat Res	Kings	618	470	132	1,000	62	-122	382
Isabella	Kern	215	173	124	568	38	45	353
San Luis Res	(Offstream)	1,700	1,607	106	2,041	83	---	339

The latest National Weather Service Climate Prediction Center (CPC) long-range, 1-month precipitation outlook for March 2017, issued February 16, 2017, suggests average precipitation for almost all of California. The extreme southeastern region is shown to have below average precipitation.